

# Refine Search

## Search Results -

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| (3 AND 2).PGPB,USPT,DWPI.   | 22        |
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Database:

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## Search History

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| <u>L4</u> | 12 and 13                                 | 22    | <u>L4</u> |
| <u>L3</u> | applying same polyurethane same substrate | 1321  | <u>L3</u> |
| <u>L2</u> | vehicle same panel                        | 60159 | <u>L2</u> |
| <u>L1</u> | sound same attenuating same laminate      | 0     | <u>L1</u> |

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## Search Results - Record(s) 1 through 5 of 5 returned.

### ☐ 1. Document ID: US 4491556 A

L1: Entry 1 of 5

File: USPT

Jan 1, 1985

US-PAT-NO: 4491556

DOCUMENT-IDENTIFIER: US 4491556 A

TITLE: Process and mold unit for producing carpet mat

DATE-ISSUED: January 1, 1985

## INVENTOR-INFORMATION:

| NAME             | CITY      | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Fujii; Hiromasa  | Hiroshima |       |          | JP      |
| Matsui; Hisakazu | Hiroshima |       |          | JP      |

US-CL-CURRENT: 264/243; 249/117, 249/95, 264/257, 264/271.1, 264/279, 425/127,  
425/129.1, 425/543

## ABSTRACT:

A process and an apparatus are, herein, disclosed for producing a carpet mat with an injection mold unit composed of two molds, a first mold having a carpet-accommodating cavity formed parallel to the parting line, a plurality of grooves being provided at a given interval in the part of a second mold corresponding to said carpet-accommodating cavity, at least one of the two molds having a cavity to form the edges of a mat base, said process comprising confining a carpet in said carpet-accommodating cavity, injecting a thermoplastic resin into the space between said carpet and the grooves to form a mat base which is simultaneously joined to the carpet.

4 Claims, 17 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Excluded | Unpublished | Claims | KWC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|-------------|--------|-----|--------|
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### ☐ 2. Document ID: US 4405393 A

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L1: Entry 2 of 5

File: USPT

Sep 20, 1983

US-PAT-NO: 4405393

DOCUMENT-IDENTIFIER: US 4405393 A

TITLE: Method for forming a layer of blown cellular urethane on a carpet backing

DATE-ISSUED: September 20, 1983

## INVENTOR-INFORMATION:

| NAME               | CITY   | STATE | ZIP CODE | COUNTRY |
|--------------------|--------|-------|----------|---------|
| Tillotson; John G. | Dalton | GA    | 30720    |         |

US-CL-CURRENT: 156/78; 156/238, 156/344, 156/79, 156/80, 264/243, 264/257,  
264/46.2, 427/244, 428/304.4, 428/319.3, 428/95, 428/97

## ABSTRACT:

A method of forming a layer of blown cellular urethane on a primary carpet backing comprising the steps of preparing a mixture of reactive urethane forming agents, controlling the temperature of the reactive mixture, shaping the reactive mixture into a layer upon a latex film, heating the urethane forming mixture to initiate chemical blowing of the mixture, applying the underside of a previously tufted and heated primary carpet backing directly to the upper surface of the mixture, heating the mixture to a predetermined temperature, applying pressure to the carpet and mixture and stripping the carpet and cellular urethane layer from the conveyor belt.

11 Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Abstract | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|--------|------|--------|
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☐ 3. Document ID: US 4283457 A

L1: Entry 3 of 5

File: USPT

Aug 11, 1981

US-PAT-NO: 4283457

DOCUMENT-IDENTIFIER: US 4283457 A

TITLE: Laminate structures for acoustical applications and method of making them

DATE-ISSUED: August 11, 1981

## INVENTOR-INFORMATION:

| NAME              | CITY        | STATE | ZIP CODE | COUNTRY |
|-------------------|-------------|-------|----------|---------|
| Kolsky; Rodger E. | Schenectady | NY    |          |         |
| Naar; Raymond Z.  | Delmar      | NY    |          |         |

US-CL-CURRENT: 442/30; 156/148, 181/190, 181/288, 181/294, 428/312.6, 442/225,

h e b b g e e e f e c e f b e

442/370, 442/373

## ABSTRACT:

A laminate structure for acoustical applications which comprises a porous, flexible, non-woven, needle punched mat of inherently non-burning, fine glass or other material fibers affixed as a facing to a sound absorbing, flame retardant, flexible backing such as a layer of open cell foam or a mat of glass or mineral fibers. The invention also contemplates the method of manufacture of such a laminate structure. Depending upon the materials used therefor, the facing and the backing may be joined together by needle punching and subsequent chemical bonding, chemical bonding, flame bonding and, in the case of an open cell foam backing, the backing may be foamed in place on the facing forming an intimate bond therewith.

26 Claims, 4 Drawing figures  
Exemplary Claim Number: 1,8  
Number of Drawing Sheets: 1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Abstract | Claims | KWC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|--------|-----|--------|
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☐ 4. Document ID: US 3919444 A

L1: Entry 4 of 5

File: USPT

Nov 11, 1975

US-PAT-NO: 3919444

DOCUMENT-IDENTIFIER: US 3919444 A

TITLE: Acoustical fire-retardant wall and ceiling tile

DATE-ISSUED: November 11, 1975

## INVENTOR-INFORMATION:

| NAME              | CITY    | STATE | ZIP CODE | COUNTRY |
|-------------------|---------|-------|----------|---------|
| Shayman; Harry I. | Chicago | IL    | 60611    |         |

US-CL-CURRENT: 428/95; 181/290, 264/219, 264/240, 264/241, 264/243, 264/257,  
428/319.7, 428/920

## ABSTRACT:

Resinous structures such as wall and ceiling panels having a rigid urethane body or backing with a face or outer structure of tufted fiber glass material with or without an intermediate coating or layer of vinyl fire proofing material are disclosed. Both sides of the panels can have a face structure of tufted fiber glass material or a face structure of fiber glass fabric on one side and a tufted fiber glass layer on the other side. A method of producing such tiles is also disclosed. The panels exhibit Class A fire resistance properties and have good sound absorption properties.

12 Claims, 5 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Excluded | Discontinued | Claims | KWC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|--------------|--------|-----|--------|
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☐ 5. Document ID: US 3046177 A

L1: Entry 5 of 5

File: USPT

Jul 24, 1962

US-PAT-NO: 3046177

DOCUMENT-IDENTIFIER: US 3046177 A

TITLE: Method of applying polyurethane foam to the backs of carpets and equipment therefor

DATE-ISSUED: July 24, 1962

INVENTOR-INFORMATION:

| NAME              | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------|-------|----------|---------|
| HANKINS KENNETH E |      |       |          |         |

US-CL-CURRENT: 264/46.4; 156/246, 156/500, 156/78, 239/290, 239/463, 249/134, 264/257, 264/309, 264/338, 264/46.3, 264/46.8, 425/110, 521/133, 521/164, 521/919

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Excluded | Discontinued | Claims | KWC | Draw D |
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## Search Results - Record(s) 1 through 3 of 3 returned.

### ☐ 1. Document ID: US 6335379 B1

L1: Entry 1 of 3

File: USPT

Jan 1, 2002

US-PAT-NO: 6335379

DOCUMENT-IDENTIFIER: US 6335379 B1

TITLE: Flexible polyurethane foams

DATE-ISSUED: January 1, 2002

## INVENTOR-INFORMATION:

| NAME                 | CITY     | STATE | ZIP CODE | COUNTRY |
|----------------------|----------|-------|----------|---------|
| Leenslag; Jan Willem | Tremelo  |       |          | BE      |
| Cunningham; Anthony  | Leefdaal |       |          | BE      |
| Eling; Berend        | Bertem   |       |          | BE      |

US-CL-CURRENT: 521/174; 521/155, 521/170, 521/914

## ABSTRACT:

Process for preparing a flexible polyurethane foam by reacting a polyisocyanate and two different polyols under foam forming conditions so as to prepare a rigid foam and by crushing the rigid foam so obtained. Flexible foams are obtained which do not show a major glass transition temperature between -100.degree. C. and +25.degree. C.

18 Claims, 0 Drawing figures

Exemplary Claim Number: 1

[Full](#)[Title](#)[Citation](#)[Front](#)[Review](#)[Classification](#)[Date](#)[Reference](#)[Abstract](#)[Attachment](#)[Claims](#)[KMC](#)[Draw D](#)

### ☐ 2. Document ID: US 5942321 A

L1: Entry 2 of 3

File: USPT

Aug 24, 1999

US-PAT-NO: 5942321

DOCUMENT-IDENTIFIER: US 5942321 A

h e b b g e e e f e ef b e

TITLE: Headliner

DATE-ISSUED: August 24, 1999

## INVENTOR-INFORMATION:

| NAME                | CITY             | STATE | ZIP CODE | COUNTRY |
|---------------------|------------------|-------|----------|---------|
| Romesberg; Floyd E. | Saint Louisville | OH    |          |         |
| Asbury; J. Daniel   | Celina           | OH    |          |         |
| Young; William J.   | Bloomfield Hills | MI    |          |         |

US-CL-CURRENT: 428/300.7; 156/221, 156/250, 156/269, 156/276, 264/257, 264/321,  
264/45.1, 428/306.6, 428/317.1, 428/318.4, 442/224, 442/373

## ABSTRACT:

A headliner is a laminate of multiple layers. The layers include polyurethane foam, agricultural fibers, a decorative material, and a backing. The agricultural fiber is jute, sisal, or kenaf or mixtures thereof. The method of making the headliner laminate includes making the sheet of agricultural fibers incorporating a binder, saturating a foam layer with an adhesive, putting one sheet of agricultural fibers on each side of the foam layer, applying the decorative material and backing to one side each, and squeezing the layers together to distribute the adhesive to all the layers and laminate them.

20 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | See Page | Alt. Drawing | Claims | KMMC | Draw. D |
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☐ 3. Document ID: US 5082617 A

L1: Entry 3 of 3

File: USPT

Jan 21, 1992

US-PAT-NO: 5082617

DOCUMENT-IDENTIFIER: US 5082617 A

TITLE: Thulium-170 heat source

DATE-ISSUED: January 21, 1992

## INVENTOR-INFORMATION:

| NAME                     | CITY       | STATE | ZIP CODE | COUNTRY |
|--------------------------|------------|-------|----------|---------|
| Walter; Carl E.          | Pleasanton | CA    |          |         |
| Van Konynenburg; Richard | Livermore  | CA    |          |         |
| VanSant; James H.        | Tracy      | CA    |          |         |

US-CL-CURRENT: 376/184; 376/433, 376/901

## ABSTRACT:



An isotopic heat source is formed using stacks of thin individual layers of a refractory isotopic fuel, preferably thulium oxide, alternating with layers of a low atomic weight diluent, preferably graphite. The graphite serves several functions: to act as a moderator during neutron irradiation, to minimize bremsstrahlung radiation, and to facilitate heat transfer. The fuel stacks are inserted into a heat block, which is encased in a sealed, insulated and shielded structural container. Heat pipes are inserted in the heat block and contain a working fluid. The heat pipe working fluid transfers heat from the heat block to a heat exchanger for power conversion. Single phase gas pressure controls the flow of the working fluid for maximum heat exchange and to provide passive cooling.

11 Claims, 3 Drawing figures  
 Exemplary Claim Number: 1  
 Number of Drawing Sheets: 3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Keywords | Abstracts | Claims | KWIC | Draw. D |
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